

WHAT IS CLAIMED IS:

1. A webbing retractor for an elongated, strip-shaped webbing belt used for application to a body of a vehicle occupant riding in a vehicle, the webbing retractor comprising:

a frame in which a pair of leg plates, which are disposed so as to face one another, are connected by a back plate so as to be integral;

a spool, which is disposed between the pair of leg plates and held directly or indirectly to the frame so as to be rotatable around an axis, one end of the webbing belt being anchored to the spool, the spool being for winding of the webbing belt therearound;

a driving mechanism, which is disposed between the pair of leg plates and has an output shaft and which is for rotating the spool in at least a take-up direction by driving the output shaft to rotate in a predetermined direction; and

a clutch disposed between the pair of leg plates, and mechanically interposed between the output shaft and the spool, and transmitting rotation of the output shaft to the spool.

2. The webbing retractor of claim 1, wherein the spool is disposed between the pair of leg plates in a state such that an axial direction thereof runs along a direction in which the pair of leg plates face one another.

3. The webbing retractor of claim 2, wherein the clutch is a clutch which can cut-off transmission of rotation arising at a spool side and thereby prevent transmission of said rotation to the output shaft.

4. The webbing retractor of claim 3, wherein the clutch has a first rotating body which rotates due to rotation of the output shaft; a second rotating body which is provided coaxially and integrally with the spool, and which is for transmitting rotation to the spool by receiving rotation of the first rotating body; and a transmitting member transmitting the rotation of the first rotating body to the second rotating body.

5. The webbing retractor of claim 4, wherein the transmitting member is a transmitting member which is provided so as to be able to approach and move away from one rotating body among the first rotating body and the second rotating body and so as to be able to rotate integrally together with another rotating body among the first rotating body and the second rotating body, and which, due to the rotation of the first rotating body, approaches the one rotating body and mechanically engages with the one rotating body.

6. The webbing retractor of claim 1, wherein balance of a weight

of the webbing retractor can be achieved around a center in the direction in which the leg plates face one another.

7. The webbing retractor of claim 1, wherein said driving mechanism is supported by at least one of the pair of leg plates and the back plate.

8. The webbing retractor of claim 2, further comprising a driving force transmitting mechanism to transmit the driving force of the driving mechanism to the clutch, the driving force transmitting mechanism including:

an output shaft side rotating member connected directly or indirectly to the output shaft and provided so as to be attachable to and detachable from the output shaft; and

a clutch side rotating member provided so as to be attachable to and detachable from a predetermined attachment position at which the clutch side rotating member can engage directly or indirectly with the output shaft side rotating member.

9. The webbing retractor of claim 1, further comprising a driving force transmitting mechanism to transmit the driving force of the driving mechanism to the clutch, the driving force transmitting mechanism including:

an output shaft side rotating member connected to the

output shaft directly or indirectly; and

a clutch side rotating member provided at a predetermined attachment position at which the clutch side rotating member can engage directly or indirectly with the output shaft side rotating member,

wherein a rotating ratio of the output shaft side rotating member in relation to the clutch side rotating member is changeable.

10. The webbing retractor of claim 8, wherein the clutch side rotating member rotates interlockingly with rotation of the output shaft side rotating member at a rotational speed corresponding to a rotational peripheral speed of the output shaft side rotating member, and transmits said rotation to the clutch.

11. The webbing retractor of claim 10, wherein:

the output shaft side rotating member is an output shaft side gear which is coaxially connected to the output shaft, and which, in a state of being attached to the output shaft, rotates due to rotation of the output shaft; and

the clutch side rotating member is a clutch side gear which, in a state of being attached to the attachment position, meshes with the output shaft side gear, and receives the rotation of the output shaft side gear so as to rotate, and transmits said rotation to the clutch.

12. The webbing retractor of claim 8, wherein:

the output shaft side rotating member is an output shaft side pulley which is directly or indirectly connected to the output shaft;

the clutch side rotating member is a clutch side pulley,
and

an endless belt is trained on peripheral surfaces of the output shaft side pulley and the clutch side pulley so that the clutch side pulley receives the rotation of the output shaft side pulley so as to rotate, and transmits the rotation to the clutch.

13. The webbing retractor of claim 11, wherein the driving force transmitting mechanism further comprises a worm gear which is provided coaxially with the clutch side gear, wherein the worm gear transmits the driving force to the clutch.

14. The webbing retractor of claim 13, wherein a side opposite the back plate of the frame is an open portion and the driving force transmitting mechanism is provided in the open portion.